



AVANT

## AM-DCC

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### Characteristics:

The dehydrogenation catalyst is a thin-shell type  $\text{Al}_2\text{O}_3$  supported Pt-Pd double precious metal catalyst, and rare earth elements are added as promoters. It is used for  $\text{CO}_2$  dehydrogenation of urea feed gas to prevent explosion in high-pressure scrubber or tail gas absorption tower due to a small amount of hydrogen and oxygen mixing.

### Chemical analysis:

$\text{Al}_2\text{O}_3$	$\geq 92$	%
$\text{SiO}_2$	$\leq 0.10$	%
$\text{Fe}_2\text{O}_3$	$\leq 0.04$	%
$\text{Na}_2\text{O}$	$\leq 0.45$	%

### Physical properties:

Adsorption rate(water)	$\geq 50$	%
Bulk density	$\leq 0.70$	g/ml
Surface area	$\geq 200$	$\text{m}^2/\text{g}$
Pore volume	$\geq 0.40$	ml/g
Crushing strength	$\geq 30(2-3\text{mm})$	N/Granule